

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/673,448C

Source: FW16

Date Processed by STIC: 1/7/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:46

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw

```

3 <110> APPLICANT: CLARK, Susan J.
4     MILLER, Douglas S.
5     MOLLOY, Peter L.
7 <120> TITLE OF INVENTION: ASSAY FOR METHYLATION IN THE GST-Pi Gene
9 <130> FILE REFERENCE: Q61152
11 <140> CURRENT APPLICATION NUMBER: US 09/673,448C
12 <141> CURRENT FILING DATE: 2000-11-27
14 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00306
15 <151> PRIOR FILING DATE: 1999-04-23
17 <150> PRIOR APPLICATION NUMBER: PP 3129
18 <151> PRIOR FILING DATE: 1998-04-23
20 <160> NUMBER OF SEQ ID NOS: 60
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 29
26 <212> TYPE: DNA
27 <213> ORGANISM: Homosapiens
29 <400> SEQUENCE: 1
30 cgcgagggttt tcgttgaggt ttcgtcgtc                29
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 25
35 <212> TYPE: DNA
36 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 2
39 cgttattagt gagtacgcgc ggttc                    25
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 24
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens
47 <400> SEQUENCE: 3
48 yggtttttagg gaattttttt tcgc                    24
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 28
53 <212> TYPE: DNA
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 4
57 ygggyggtta gtttggttgyg tatatttc                28
60 <210> SEQ ID NO: 5
61 <211> LENGTH: 29
62 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 5
66 ggggaattttt tttcgcgatg tttyggcgc                29

```

## RAW SEQUENCE LISTING

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:46

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw

```

69 <210> SEQ ID NO: 6
70 <211> LENGTH: 24
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 6
75 ttttttagggg gttyggagcg tttc                24
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 19
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 7
84 ggtaggttgy gtttatcgc                19
87 <210> SEQ ID NO: 8
88 <211> LENGTH: 27
89 <212> TYPE: DNA
90 <213> ORGANISM: Homosapiens
92 <400> SEQUENCE: 8
93 aaaaattcra atctctccga ataaacg                27
96 <210> SEQ ID NO: 9
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: Homosapiens
101 <400> SEQUENCE: 9
102 aaaaaccraa ataaaaacca cacgacg                27
105 <210> SEQ ID NO: 10
106 <211> LENGTH: 25
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 10
111 tcccatccct ccccgaaacg ctccg                25
114 <210> SEQ ID NO: 11
115 <211> LENGTH: 33
116 <212> TYPE: DNA
117 <213> ORGANISM: Homosapiens
119 <400> SEQUENCE: 11
120 gaaacgctcc gaacccccta aaaaccgcta acg                33
123 <210> SEQ ID NO: 12
124 <211> LENGTH: 27
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 12
129 crccctaata tccccraaat crccgcg                27
132 <210> SEQ ID NO: 13
133 <211> LENGTH: 30
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 13
138 accccracra ccrctacacc ccraacgctcg                30
141 <210> SEQ ID NO: 14

```

## RAW SEQUENCE LISTING

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:46

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw

```

142 <211> LENGTH: 31
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 14
147 ctcttctaaa aaatcccr cr aactcccgcc g 31
150 <210> SEQ ID NO: 15
151 <211> LENGTH: 29
152 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 15
156 aaaacrcctt aaaatccccg aaatcgccg 29
159 <210> SEQ ID NO: 16
160 <211> LENGTH: 30
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 16
165 aactcccrcc gaccccaacc ccgacgaccg 30
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 23
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Oligo which binds bisulfite-converted human GST-Pi gene
176 <400> SEQUENCE: 17
177 aaacctaataa aataaaca aa caa 23
180 <210> SEQ ID NO: 18
181 <211> LENGTH: 23
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Oligo whcih binds non-converted human GST-Pi gene
188 <400> SEQUENCE: 18
189 gggcctaggg agtaaacaga cag 23
192 <210> SEQ ID NO: 19
193 <211> LENGTH: 25
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Oligo which binds human GST-Pi gene
200 <400> SEQUENCE: 19
201 cctttccctc tttcccarrrt cccca 25
204 <210> SEQ ID NO: 20
205 <211> LENGTH: 25
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Oligo which binds bisulfite-converted human GST-Pi gene
212 <400> SEQUENCE: 20
213 tttggtatatt tttttcgggt tttag 25

```

## RAW SEQUENCE LISTING

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:46

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw

```

216 <210> SEQ ID NO: 21
217 <211> LENGTH: 25
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Oligo which binds non-converted human GST-Pi gene
224 <400> SEQUENCE: 21
225 cttggcatcc tcccccgggc tccag                                     25
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 26
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Oligo which binds human GST-Pi gene
236 <400> SEQUENCE: 22
237 ggyaggggaag ggaggyaggg gytggg                                     26
240 <210> SEQ ID NO: 23
241 <211> LENGTH: 31
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 23
246 ttatgtaata aatttgata tttgtatat g                               31
249 <210> SEQ ID NO: 24
250 <211> LENGTH: 25
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 24
255 tgtagattat ttaaggtag gagtt                                     25
258 <210> SEQ ID NO: 25
259 <211> LENGTH: 27
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapiens
263 <400> SEQUENCE: 25
264 aaacctaata aataaataa caacaaa                                     27
267 <210> SEQ ID NO: 26
268 <211> LENGTH: 29
269 <212> TYPE: DNA
270 <213> ORGANISM: Homosapiens
272 <400> SEQUENCE: 26
273 aaaaaaacctt tccctctttc ccaaattccc                               29
276 <210> SEQ ID NO: 27
277 <211> LENGTH: 27
278 <212> TYPE: DNA
279 <213> ORGANISM: Homo sapiens
281 <400> SEQUENCE: 27
282 ttgtgtgttt gttattttt taggttt                                     27
285 <210> SEQ ID NO: 28
286 <211> LENGTH: 26
287 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:46

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw

```

288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 28
291 gggatttggg aaagagggaa aggttt                26
294 <210> SEQ ID NO: 29
295 <211> LENGTH: 24
296 <212> TYPE: DNA
297 <213> ORGANISM: Homosapiens
299 <400> SEQUENCE: 29
300 actaaaaact ctaaacccca tccc                24
303 <210> SEQ ID NO: 30
304 <211> LENGTH: 24
305 <212> TYPE: DNA
306 <213> ORGANISM: Homo sapiens
308 <400> SEQUENCE: 30
309 aacctaatat taccttaacc ccat                24
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 33
314 <212> TYPE: DNA
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 31
318 aatcctcttc ctactatcta tttactccct aaa        33
321 <210> SEQ ID NO: 32
322 <211> LENGTH: 29
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 32
327 aaaacctaata aaaaaaaaaa aaacttccc        29
330 <210> SEQ ID NO: 33
331 <211> LENGTH: 29
332 <212> TYPE: DNA
333 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 33
336 ttggttttat gttgggagtt ttgagtttt        29
339 <210> SEQ ID NO: 34
340 <211> LENGTH: 29
341 <212> TYPE: DNA
342 <213> ORGANISM: Homo sapiens
344 <400> SEQUENCE: 34
345 ttttgtgggg agttgggggt tgatgttgt        29
348 <210> SEQ ID NO: 35
349 <211> LENGTH: 29
350 <212> TYPE: DNA
351 <213> ORGANISM: Homo sapiens
353 <400> SEQUENCE: 35
354 ggttttagagt ttttagtatg gggttaatt        29
357 <210> SEQ ID NO: 36
358 <211> LENGTH: 20
359 <212> TYPE: DNA
360 <213> ORGANISM: Homo sapiens

```

VERIFICATION SUMMARY

DATE: 01/07/2005

PATENT APPLICATION: US/09/673,448C

TIME: 12:25:47

Input Set : A:\Q61152revseq.ST25.txt

Output Set: N:\CRF4\01072005\I673448C.raw